

Rabbit anti-Human CD34 Polyclonal Antibody | anti-CD34 antibody

CD34 Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA163038	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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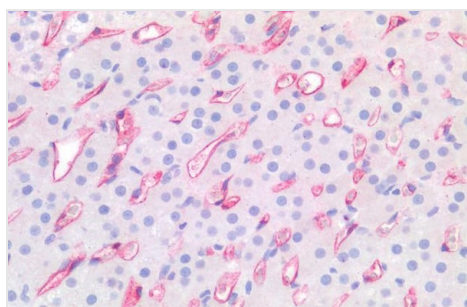
PRODUCT SYNONYMS

CD34; Polyclonal Antibody; CD34 Rabbit anti-Human Polyclonal Antibody; PathPlus CD34 Antibody; CD34 molecule; CD34 antigen; HPCA1; anti-CD34 antibody

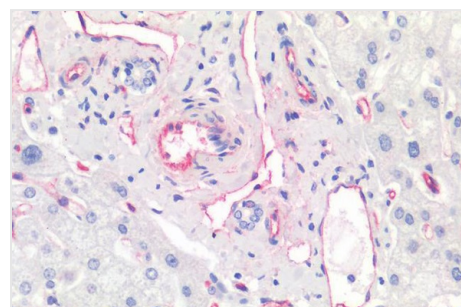
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD34 antibody	IHC (Immunohistochemistry)
Target	Human CD34
Immunogen	LP-11175, synthetic peptide
Conjugation	Unconjugated
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles.

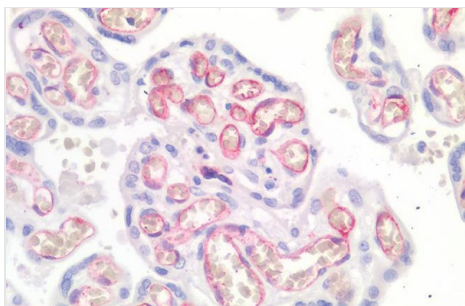
IMAGES



IHC (Immunohistochemistry)
CD34 Antibody-Human Adrenal: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
CD34 Antibody-Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
CD34 Antibody-Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-CD34 antibody	CD34 antibody is an unconjugated rabbit polyclonal antibody to CD34 from human. Validated for IHC. CD34 is a hematopoietic stem cell marker and transmembrane adhesion protein that is also expressed in endothelial cells lining vessels, liver sinusoids and lymphatics, where staining is typically membranous. Cells expressing CD34 (CD34+ cell) are normally found in the umbilical cord and bone marrow as hematopoietic cells, or in mesenchymal stem cells, endothelial progenitor cells, endothelial cells of blood vessels but not lymphatics (except pleural lymphatics), mast cells, a sub-population of dendritic cells, as well as cells in soft tissue tumors like DFSP, GIST, SFT, HPC, and to some degree in MPNSTs. It is associated with the selection and enrichment of hematopoietic stem cells for bone marrow transplants. In tumors, CD34 is found in alveolar soft part sarcoma, preB-ALL (positive in 75%), AML (40%), dermatofibrosarcoma protuberans, gastrointestinal stromal tumors, giant cell fibroblastoma, granulocytic sarcoma, Kaposi's sarcoma, liposarcoma, malignant fibrous histiocytoma, malignant peripheral nerve sheath tumors, meningeal hemangiopericytomas, meningiomas, neurofibromas, schwannomas, and papillary thyroid carcinomas.
References	Sidney, Laura E et al, Stem Cells 2014, 32.6:1380; Hua, 2011; Catteau, 2013, PMID: 24497003;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502661
NCBI GeneID	947
NCBI Accession #	NP_001764.1
NCBI GenBank Nucleotide #	NM_001773
UniProt Accession #	P28906; Q15970; Q15971; Q5JTA3; Q5JTA4; Q9UJB1; A8K664
Molecular Weight	35,011 Da
NCBI Official Full Name	hematopoietic progenitor cell antigen CD34 isoform b
NCBI Official Synonym Full Names	CD34 molecule
NCBI Official Symbol	CD34
NCBI Protein Information	hematopoietic progenitor cell antigen CD34; CD34 antigen
UniProt Protein Name	Hematopoietic progenitor cell antigen CD34
UniProt Gene Name	CD34
UniProt Entry Name	CD34_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.